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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/801,079	03/15/2004	Robert Beland	E1-01US2

41664
IVAN DAVID ZITKOVSKY PH.D PC
5 MILITIA DRIVE
LEXINGTON, MA 02421

CONFIRMATION NO. 9477

FORMALITIES LETTER



OC000000012830365

Date Mailed: 06/01/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$2188** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is ~~\$3088~~ for a Large Entity

- \$770 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is ~~\$2188~~

See enclosed
Preliminary Amendment
Small Entity Status

09/08/2004 SSITHIB1 00000050 10801079

01 FC:2001

385.00 OP

02 FC:2051

65.00 OP

- \$946 for 11 independent claims over 3.
- \$1242 for 69 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

lit

Customer Service Center
Initial Patent Examination Division (703) 308-1202
PART 1 - ATTORNEY/APPLICANT COPY



Atty. Docket: E1-01US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert Beland
Serial No: 10/801,079
Filed: March 15, 2004
For: HIGH VOLTAGE X-RAY GENERATOR

Examiner:
Art Unit: 2838

Commissioner for Patents
US Patent and Trademark Office

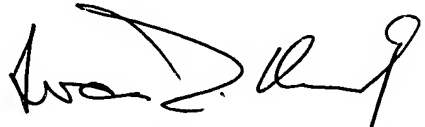
RESPONSE TO NOTICE TO FILE MISSING PARTS

In response to the Notice to File Missing Parts dated June 1, 2004, Applicants submit the following documents:

- Copy of Notice to File Missing Parts (dated June 1, 2004)
- Preliminary Amendment (including a copy of the Restriction Requirement issued in the parent US Application 09/711,789)
- Oath or Declaration (from parent US Application 09/711,789)
- Petition for One-Month Extension of Time
- Check for \$ 505.00
- Return receipt postcard

Applicant hereby claims the **Small Entity Status**. Please apply any additional fees or credits to Deposit Account 502-196.

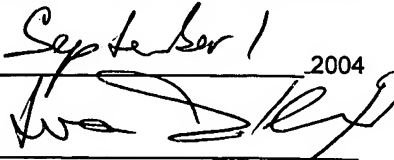
Respectfully submitted,


Ivan D. Zitkovsky, Reg. No. 37,482
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Lexington, MA 02421

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**CERTIFICATE OF MAILING
UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on


September 1, 2004
Ivan D. Zitkovsky

09/08/2004 SSITHIB1 00000050 10801079

03 FC:2251

55.00 OP



Application/Control Number: 09/711,789

Page 2

Art Unit: 2838

DETAILED ACTION

Election/Restriction

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1, 2, 4-9, 11-15, drawn to a power supply including resonant generators, classified in class 363, subclass 21.02.
 - II. Claims 3, 10, 16-42, drawn to an X-ray source power supply, classified in class 378, subclass 101.
 - III. Claims 43-54, drawn to a power supply with plural inverters, classified in class 363, subclass 71.
 - IV. Claims 55-58, drawn to generating X-ray beams, classified in class 378, subclass 113.
 - V. Claims 59-62, drawn to a switching circuit for an X-ray, classified in class 378, subclass 114.
 - VI. Claims 63-69, drawn to a shielded resistor circuit, classified in class 338, subclass 64.
 - VII. Claims 70-82, drawn to a X-ray protection circuit, classified in class 378, subclass 117.
 - VIII. Claims 83-89, drawn to a transformer device, classified in class 336, subclass 220.

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Art Unit: 2838

2. The inventions are distinct, each from the other because of the following reasons:

Inventions I, II, III, IV, V, VI, VII, and VIII are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I, II, III, IV, V, VI, VII, or VIII has separate utility. Invention I has a power supply for providing a variable power supply to a load. Invention II has an apparatus for supplying operating power to an X-ray generating source. Invention III has an apparatus for supplying operating power to a load device. Invention IV has a system for generating X-ray beams for controlling a plurality of inverter modules. Invention V has a control circuit for controlling a switching circuit to supply an operating power to an X-ray generating source. Invention VI has a shielded resistor circuit for limiting electrical noise from interfering with the operating of a resistor mechanism. Invention VII has a X-ray generating source and regulated power supply having a protection circuit for limiting a rate of change of a transient voltage spike produced at the source and to protect the regulator circuit. And invention VIII has a structure of a transformer for two primary windings and two secondary windings mounted on a single core. See M.P.E.P. § 806.05(d).

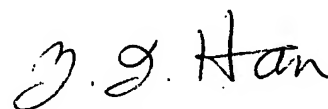
3. Because these inventions are distinct for the reasons given above and separately classified or have separate fields of search, restriction for examination purposes as indicated is proper.

4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

COPY

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5. Any inquiry concerning this communication should be directed to Y. J. Han at telephone number (703) 308-0109. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-1782. The Group FAX numbers are (703) 305-7724 and 308-7722.



Y. J. Han
Primary Examiner
Group 2838

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/711,789	11/13/2000	Robert Beland	E0208/7024	7184

7590

05/23/2002

FINNEGAN HENDERSON FARABOW GARRETT & DUNNER LLP
1300 I Street N W
Washington, DC 20005-3315

RECEIVED

MAY 28 2002

EXAMINER

HAN, YOUNGHUIE JESSICA

ART UNIT PAPER NUMBER

2838

DATE MAILED: 05/23/2002

FINNEGAN, HENDERSON,
FARABOW, GARRETT & DUNNER, LLP

Please find below and/or attached an Office communication concerning this application or proceeding.

COPY



Office Action Summary

Application No.
09/711,789

Applicant(s)
Beland

Examiner
Y. J. Han

Art Unit
2838



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on _____
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-89 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claims 1-89 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

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